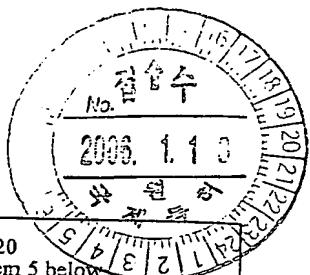


PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference 5fpo-08-10	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2005/003495	International filing date (day/month/year) 20 OCTOBER 2005 (20.10.2005)	(Earliest) Priority Date (day/month/year) 23 OCTOBER 2004 (23.10.2004)
Applicant KOREA UNIVERSITY INDUSTRY AND ACADEMY COOPERATION FOUNDATION et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,
 the text is approved as submitted by the applicant.
 the text has been established by this Authority to read as follows:

5. With regard to the abstract,
 the text is approved as submitted by the applicant.
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,
a. the figure of the drawings to be published with the abstract is Figure No. 4
 as suggested by the applicant.
 because the applicant failed to suggest a figure.
 because this figure better characterizes the invention.
b. none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/003495

A. CLASSIFICATION OF SUBJECT MATTER

A61M 1/10(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 8 A61H 7/00, A61M 1/10, A61M 1/12, F04B 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0169399 A1 (Rastegar et al.) 14 Nov. 2002	1
A	see the claims 30-33	2-20
A	US 6123726 (Mori et al.) 26 Sep. 2000	1-20
	see the whole document	
A	US 5980448 (Heilman et al.) 9 Nov. 1999	1-20
	see the whole document	
A	US 2002/0102169 A1 (Wampler) 1 Aug. 2002	1-20
	see the whole document	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

11 JANUARY 2006 (11.01.2006)

Date of mailing of the international search report

12 JANUARY 2006 (12.01.2006)

Name and mailing address of the ISA/KR


 Korean Intellectual Property Office
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,
 Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Dong Hwan

Telephone No. 82-42-481-5893



INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2005/003495

BEST AVAILABLE COPY

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US20020169399A1	14.11.2002	CA2446100A1 CN1527690A EP1392216A2 IL158767A0 JP16526538 JP2004526538T2 KR1020040007542 US06846294 US2005137446AA US6846294B8 W02002091912A3 ZA200308542A	21.11.2002 08.09.2004 03.03.2004 12.05.2004 02.09.2004 02.09.2004 24.01.2004 25.01.2005 23.06.2005 25.01.2005 10.04.2003 31.01.2005
US06123726A	26.09.2000	AU200065282A5 BR200013246A CA2380329A1 CN1367821 EP00928613A1 EP01228185A1 EP928613A4 JP10085322 MXPA02001521A US6770615B1 US6770615BA W0200111003A1	05.03.2001 16.04.2002 15.02.2001 04.09.2002 14.07.1999 07.08.2002 17.01.2001 07.04.1998 02.07.2002 03.08.2004 03.08.2004 15.02.2001
US05980448A	09.11.1999	DE19903341A1 FR2773995A1 GB9927009A0 IT13052888B1 JP11285529 NL1011144C2 US6066085A	12.08.1999 30.07.1999 12.01.2000 04.05.2001 19.10.1999 17.04.2000 23.05.2000
US20020102169A1	01.08.2002	US06688861 US2004234397AA	10.02.2004 25.11.2004